PTO/SB/08a (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/829,381

Filing Date April 22, 2004

First Named Inventor Eckard Weber

Art Unit 1642 657

Examiner Name To be assigned

(Use as many sheets as necessary) Examiner Name To be assigned

Sheet I of I Attorney Docket Number 1735.0290006/RWE/ALS

	U. S. PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear						
RG	AJ4	^{US-} 6,759,207	07-06-2004	Weber et al.							
17.6-	AK4	^{US-} 6,828,091	12-07-2004	Kasibhatla et al.							
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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EXAMINER	1	DOC	UMENT	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
INITIAL 12G	AA1		4,126	08/23/1977	Cook et al.	- OEAGG	300-00-00	TIENTO DATE
	AB1	4,33	6,186	06/22/1982	Gargiulo et al.			
	AC1	4,36	4,923	12/21/1982	Cook et al.			
	AD1	4,41	4,209	11/08/1983	Cook et al.			
	AE1	4,52	2,811	06/11/1985	Eppstein et al.			
	AF1	4,55	7,862	12/10/1985	Mangel et al.			
	AG1	4,64	0,893	02/03/1987	Mangel et al.	_		
	AH1	5,20	8,148	05/04/1993	Haugland et al.			
	Al1	5,22	7,487	07/13/1993	Haugland et al.			
	AJ1	5,36	2,628	11/08/1994	Haugland et al.			-
7	AK1	5,44	3,986	08/22/1995	Haughland et al.			
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16	AL1	EP (285 179 B1	10/05/1988	Europe			Yes No Yes
	AM1	EP (528 487 A2	02/24/1993	Europe	<u> </u>		No Yes
	AN1	wo	93/04192	03/04/1993	WIPO	_		No Yes
	AO1	wo	93/10461	05/27/1993	WIPO		- "	No Yes
Α,	AP1	wo	94/06906	03/31/1994	WIPO	Bornes et	2)	No No
			OTHER (II	ncluding Autr	or, Title, Date, Pertinent	rages, et	G.)	
17 <i>6</i> -	AR	1	Adams, S.R Soc. 111:79	., <i>et al</i> ., "Biologi 57-7968, Amerio	cally Useful Chelators That T can Chemical Society (1989)	ake Up Ca ²	tupon Illumination	n," J. Am. Chem.
126-	AS	1	Alder, A., et Chemical Al	al., "Optical sen	sor for the determination of c , The American Chemical So	ations, its u ciety, Abstr	se, and fluoropho act No. 35266b (1	res therefor," 995)
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	ATTY. DOCKET NO. 1735.0290006/RWE/ALS	APPLICATION NO. 10/829,381
FORM PTO-1449	FIRST NAMED INVENTOR	
•	Weber et al	
INFORMATION DISCLOSURE STATEMENT	FILING DATE	ART UNIT
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INITIAL	AA2	5,556,		DATE 09/17/1996	NAME Gaboury et al.	CLASS	-	SUB-CLASS	FILING DATE
126	~~~ .	J,JJJ,	JJZ						
	AB2	5,576,	424	11/19/1996	Mao et al.				,
	AC2	5,587,	490	12/24/1996	Goodrich, Jr., et al.				
,	AD2	5,605,	809	02/25/1997	Komoriya et al.				
	AE2	5,698,	411	12/16/1997	Lucas et al.			 	
	AF2	5,714,	342	02/03/1998	Komoriya et al.				
	AG2	5,733,	719	03/31/1998	Jaffe et al.				
	AH2	5,773,	236	06/30/1998	Diwu et al.	·			
	Al2	5,776,	720 .	07/07/1998	Jaffe et al.				
	AJ2	5,834,	216	11/10/1998	Roizman et al.			· ·	
1	AK2	5,843,	635	12/01/1998	Schlossman et al.				
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RG	AL2	CA 2	2,119,840	09/27/1994	Canada				Yes No
)	AM2	wo	96/20721	07/11/1996	WIPO				Yes No
	AN2	wo	96/36729	11/21/1996	WIPO				Yes No
	AO2	wo	98/13517	04/02/1998	WIPO				Yes X No
	AP2		98/55863	12/10/1998	WIPO				Yes No
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	ATTY. DOCKET NO. 1735.0290006/RWE/ALS	APPLICATION NO. 10/829,381
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126	AA3	5,849	,513	12/15/1998	Jaffe et al.				
1	AB3	5,871	,946	02/16/1999	Lucas et al.				
	AC3	5,897	,992	04/27/1999	Feamhead et al.				
	AD3	5,908	,750	06/01/1999	Reed et al.				
	AE3	5,976	,822	11/02/1999	Landrum et al.				
	AF3	6,037	,137	03/14/2000	Komoriya et al.				
	AG3	6,048	,703	04/11/2000	Siman et al.				
	АН3	6,075	,020	06/13/2000	Cincotta et al.				
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-	AJ3	6,200	,969 B1	03/13/2001	Fritz et al.				
	AK3	6,251	,614 B1	06/26/2001	Fritz et al.		·		
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20	AL3	wo	98/57664	12/23/1998	WIPO			Yes No	
	АМЗ	wo	99/18856	04/22/1999	WIPO			Yes No	
	AN3	wo	00/04914	02/03/2000	WIPO			Yes No	
	AO3	wo	00/07017	02/10/2000	WIPO			Yes No	
	AP3	1	00/45165	08/03/2000	WIPO		-	Yes No	
	[AF3	1 440			nor, Title, Date, Pertinent	Pages, etc.	<u> </u>	INO	
17:0-	AR	<u>3</u>	Bonneau, I	P.R., et al., "Design Structure—Activity	gn of Fluorogenic Peptide Sub Relationship Studies," <i>Analyt</i>	strates for H	uman Cytomega	alovirus Protease mic Press	
126	AS	<u>3</u>	Pharmacol	Calabresi, P., and Chabner, B.A., "Chemotherapy of Neoplastic Diseases," in <i>Goodman & Gilman's The Pharmacological Basis of Therapeutics. Ninth Edition</i> , The McGraw-Hill Companies, pp. 1225-1287 (January 1996)					
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	ATTY. DOCKET NO. 1735.0290006/RWE/ALS	APPLICATION NO. 10/829,381
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EXAMINER			MENT	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
INITIAL	AA4	NUME 6.248	904 B1	DATE 06/19/2001	Zhang et al.	CLASS	SUB-CLASS	FILING DATE
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1	AB4	6,270, 	980 B1	08/07/2001	Fritz et, al.			
	AC4	6,335,	429 B1	01/01/2002	Cai et al.			
	AD4	6,342,	611 B1	01/29/2002	Weber et al.			
	AE4	2002/0	0076733 A1	06/20/2002	Kasibhatla et al.	<u> </u>		
	AF4	6,462,	,041 B1	10/08/2002	Cai et al.			
	AG4	2003/0	0027229 A1	02/06/2003	Kasibhatla et al.			
	AH4	2003/0	0208037 A1	11/06/2003	Zhang <i>et al</i> .	 		
4	Al4	6,518,	,032	02/11/2003	Fritz et al.			
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1200	AL4		01/79187	10/25/2001	WIPO			Yes No
Ro-	AM4	wo	02/12545	02/14/2002	WIPO			Yes No
125	AN4	wo	96/33209	10/24/1996	WIPO			Yes No
	AO		-					Yes No
	AP							Yes No
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ŻG	AS	4	Dinarello, C.A., "Interleukin-1 and Interleukin-1 Antagonism," <i>Blood</i> 77:1627-1652, W. B. Saunders Company (1991)					
26	AT	4	Ding, J., et al., "Crystal structure of the human adenovirus proteinase with its 11 amino acid cofactor," EMBO J. 15:1778-1783, IRL Press Limited (April 1996)					
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120	AR	<u>5</u>	Diouri, M., 271:32511 1996)	, <i>et al</i> ., "Cleava I-32514, The A	nge Efficiency by Adenov American Society for Biod	virus Protease Is Site- chemistry and Molecu	dependent," J. E lar Biology, Inc.	Biol. Chem. (December
The	AS	<u>5</u>	Rate Assa	y with a Poten	Iltrasensitive Human Imi tial for Monitoring Blood se Syndrome Patients,"	Levels of Protease In	hibitors in Acqui	ired
126-	AT	5			, T., "A Matter of Life an ncement of Science (Au		e 281:1317-132:	2, American
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Ro	AS	Z	Gallop, M.A., et al., "Applications of Combinatorial Technologies to Drug Discovery. 1. Background and Peptide Combinatorial Libraries," <i>J. Med. Chem.</i> 37:1233-1251, American Chemical Society (1994)							
76-	AT	Z	Gao, M., e Formation	t al., "The Prot and Viral Grov	ease of Herpes Simplex \ vth," <i>J. Virol.</i> 68:3702-371	/irus Type 1 Is Esse 2, American Society	ntial for Function for Microbiolog	nal Capsid y (1994)		
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175	AR	9	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Hardin, J.A., et al., "A simple fluorescence method for surface antigen phenotyping of lymphocytes undergoing DNA fragmentation," J. Immunol. Meth. 154:99-107, Elsevier Science Publishers B.V. (1992)							
Rc-	AS	9	Haugland, R.P., and Johnson, I.D., "Detecting Enzymes in Living Cells Using Fluorogenic Substrates," J. Fluorescence 3:119-127, Plenum Publishing Corporation (1993)							
126-	AT	9	Haugland, R.P., "Detecting Enzymatic Activity in Cells Using Fluorogenic Substrates," Biotechnic & Histochem. 70:243-251, Williams & Wilkins (1995)							
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120-	AR	<u>10</u>	Haugland, F Probes, Inc.	R.P., <i>Handbook (</i> ., Eugene, OR, p	of Fluorescent Probe p. 28, 54 (1996).	s and Resea	rch Chem	<i>ical</i> s, Sixth Edit	ion, Molecular	
126-	AS	10		Haugland, R.P., "Detecting Peptidases and Proteases," in Handbook of Fluorescent Probes and Research Chemicals, Sixth Edition, Molecular Probes, Inc., pages 225-234 (1996)						
126-	AT	AT 10 Hickman, J.A., "Apoptosis induced by anticancer drugs," Cancer and Metastasis Rev. 11:121-139, Kluwer Academic Publishers (1992)								
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NC-	AR	11	Holskin, B. Using a Pe	P., <i>et al.</i> , "A Con ptide Substrate,"	tinuous Fluorescence-Based Analyt. Biochem. 226:148-1	I Assay of Hum 55, Academic	nan Cytomegalo Press, Inc. (199	virus Protease 5)	
Re-	AS	11	Hyland, L.J., et al., "A Radiometric Assay for HIV-1 Protease," <i>Analyt. Biochem. 188</i> :408-415, Academic Press, Inc. (1990)						
176-	AT	Joensuu, H., et al., "Bcl-2 Protein Expression and Long-Term Survival in Breast Cancer," Am. J. Pathol. 145:1191-1198, American Society for Investigative Pathology (1994)							
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170	AS	12	Klingel, S., et al., "Flow Cytometric Determination of Cysteine and Serine Proteinase Activities in Living Cells with Rhodamine 110 Substrates," Meth. Cell Biol. 41:449-459, Academic Press, Inc. (1994)							
NG-	AT Leytus, S.P., et al., "Rhodamine-based compounds as fluorogenic substrates for serine proteinases," Biochem. J. 209:299-307, The Biochemical Society (1983)									
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Re	AR	13	Leytus, S.F Biochem.	P., et al., "New c J. 215:253-260, "	lass of sensitive and s The Biochemical Socie	elective fluorogenic s ety (1983)	substrates for se	ine proteinases,"			
RG	AS	13	Protein (p ⁶	Li, X., and Chang, YH., "Evidence That the Human Homologue of a Rat Initiation Factor-2 Associated Protein (p ⁶⁷) Is a Methionine Aminopeptidase," <i>Biochem. Biophys. Res. Comm.</i> 227:152-159, Academic Press, Inc. (October 1996)							
RG-	AT	13	Liang, H., a	and Fesik, S.W., <i>Mol. Biol. 274</i> :29	"Three-dimensional S 01-302, Academic Pre	Structures of Proteins ss Limited (Decembe	Involved in Prog er 1997)	rammed Cell			
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120-	AS	14	Deficient A	Los, M., et al., "Cross-Resistance of CD95- and Drug-Induced Apoptosis as a Consequence of Deficient Activation of Caspases (ICE/Ced-3 Proteases)," <i>Blood 90</i> :3118-3129, W. B. Saunders (October 15, 1997)							
Re	AT	14	Maldonado cells," Muta	, V., et al., "Moo tion Res. 381:6	dulation of NF-кВ, p53 and Bo 7-75, Elsevier Science B.V. (:l-2 in apoptosis November 199	s induced by cis 7)	platin in HeLa			
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Res	AR	<u>15</u>	Martin, J.A (1995)	, <i>et al.</i> , "Inhibit	ors of HIV Proteinase,"	' Prog. Med. C	Chem. 32:	239-287, Elsev	ier Science B.V.		
Ro	AS	<u>15</u>	Matayoshi, E.D., et al., "Novel Fluorogenic Substrates for Assaying Retroviral Proteases by Resonance Energy Transfer," Science 247:954-958, American Association for the Advancement of Science (1990)								
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125	AR	<u>16</u>		., "Baculovirus , Inc. (Novemb	Interaction With Host Aper 1997)	poptotic Pathways," J	l. Cell. Physiol. 1	73:178-182,			
Ro	AS	<u>16</u>	Miura, M., Homolog o	Miura, M., et al., "Induction of Apoptosis in Fibroblasts by IL-1β-Converting Enzyme, a Mammalian Homolog of the C. elegans Cell Death Gene ced-3," Cell 75:653-660, Cell Press (1993)							
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126-	AR	17	Molecular F	Probes, Inc., A	Alphabetical Price List of N	ew Products, Molec	ular Probes, Inc	., pp. 1-4 (1994)			
176	AS	17	Rhodamine	Morliere, P., et al., "Interaction of Tetrapyrrolic Rings with Rhodamine 110 and 123 and with Rhodamine 110 Derivatives Bearing A Peptidic Side Chain," <i>Biochem. Biophys. Res. Comm. 146</i> :107-113, Academic Press, Inc. (1987)							
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26	AS	18		Nogrady, T., "Pro-Drugs and Soft Drugs," in <i>Medicinal Chemistry. A Biological Approach</i> , Oxford University Press, Inc., New York, NY, pp. 388-394 (1985)						
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120-	AR	19	Oppenheim Science Pu	n, J.J., et al., "T blishers B.V. (There is more than (1986)	one interleukir	n 1," <i>Immun</i> o	ol. Today 7:45-5	6, Elsevier
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Ró	AT	19	Richards, A 265:7733-7	.D., <i>et al.</i> , "Se 736, The Ame	nsitive, Soluble Chr rican Society for Bi	romogenic Su ochemistry ar	bstrates for l	HIV-1 Proteinas Biology, Inc. (1	e," <i>J. Biol. Chem.</i> 990)
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	ATTY, DOCKET NO. 1735.0290006/RWE/ALS	APPLICATION NO. 10/829,381
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16	AR	20	Rothe, G., Seyler 373	<i>et al</i> ., "Flow Cy :547-554, Walt	rtometric Analysis of Protea er de Gruyter & Co. (1992)	ase Activities i	n Vital Cells," <i>Biol</i> .	Chem. Hoppe-	
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26	AT.	21	Thomberry	nomberry, N.A., et al., "A novel heterodimeric cysteine protease is required for interleukin-1β ocessing in monocytes," <i>Nature</i> 356:768-774, MacMillan Magazines Limited (1992)						
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126	AR	22	Thornberry Medicine P	, N.A., "The cas ress Ltd. (Sept	spase family of cysteine prote ember 1997)	ases," <i>Br. Med</i>	. <i>Bull</i> . 53:478-49	00, Royal Society	
NG	AS	22	Thomberry, N.A., et al., "A Combinatorial Approach Defines Specificities of Members of the Caspase Family and Granzyme B," <i>J. Biol. Chem.</i> 272:17907-17911, The American Society for Biochemistry and Molecular Biology, Inc. (July 1997)						
Re	AT	22	Toth, M.V., Peptide Pro	and Marshall, otein Res. 36:54	G.R., "A simple, continuous fl 44-550, Munksgaard Internati	uorometric assi onal Publishers	ay for HIV protes Limited (1990)	ase," Int. J.	
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Ro	AR	<u>23</u>	Tyagi, S.C., Virus-1 Prot	and Carter, C./ ease," Analyt. E	A., "Continuous Assay of the Blochem. 200:143-148, Acad	e Hydrolytic Activ demic Press, Inc	vity of Human In c. (1992)	nmunodeficiency		
170	AS	23		Villa, P., et al., "Caspases and capase inhibitors," <i>Trends Biochem. Sci. 22</i> :388-393, Elsevier Science Ltd. (October 1997)						
120-	AT	23			, M.D., "Expression of Prote 3-188, Saunders Scientific	Publications (19	90)			
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170	AR	<u>24</u>	of Adenovi	1., "Adenovirus E ruses I. Virion Si many, pp. 227-2	Endopeptidase and Its R tructure and Infection, D 35 (1995)	ole in Virus Infection oerfler, W. and P. B	n," in <i>The Molec</i> öhm, Eds., Spri	ular Repertoire nger-Verlag,		
176	AS	24	West, M.L. in Pharmac	West, M.L., and Fairlie, D.P., "Targeting HIV-1 protease: a test of drug-design methodologies," <i>Trends in Pharmacological Sciences</i> 16:67-75, Elsevier Science Ltd. (1995)						
1723-	AT	24	Yoon, H.J., et al., "DNA topoisomerase II cleavage of telomeres in vitro and in vivo," Biochim. et Biophys. Acta 1395:110-120, Elsevier Science B.V. (January 1998)							
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Ra	AR	<u>25</u>	Yuan, J., e Interleukin	<i>t al.</i> , "The C. ε 1 <i>β</i> -Converting	elegans Cell Death Gene og g Enzyme," <i>Cell</i> 75:641-65	sed-3 Encodes a Pro i2, Cell Press (1993	otein Similar to N	fammalian		
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126	AR	<u>26</u>	Co-pendin PUBLISHE		ation No. 09/454,595, inven	tors Weber <i>et al.</i> , fil	ed December 7	, 1999 (NOT	
170-	AS	<u>26</u>	Dialog File	Dialog File 351, Accession No. 11813812, Derwent WPI English language abstract for WO 98/13517					
Ro	AT	<u>26</u>	Kinetic Pa	rameters of D	/., "Ala-Pro-Cresyl Violet, a Ipeptidyl Peptidase IV (CD2 ' Academic Press (October	26) in Individual Livii 1, 1997)	ng Rat Hepatoc	ytes" Analytical	
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po	AR	27	Allen, R.T. Sci. 54:427	<i>et al.</i> , "Mech -445, Birkhä	anisms controlling cellular s user Verlag (May 1998)	uicide: role of Bcl-2	and caspases,	Cell. Mol. Life		
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Pless	AT	29	Leoni, L.M. Multidrug-F 2000)	., <i>et al.</i> , "Indan Resistant Cand	nocine, a Microtubule-Bind cer Cells," <i>J. Natl. Canc. I</i>	ling Indanone and a nst. 92:217-224, Oxf	Selective Inducord University P	er of Apoptosis in Press (February	
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